

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application. Please amend claims 1 and 37, cancel claim 39, and add new claims 47-57 as follows:

1. (Currently Amended) A tissue patch for treatment of a lesion in an alimentary tract of a patient, comprising:
 - a substrate having a first surface and a second surface opposite to the first surface;
 - a sheet of tissue attached to the first surface of the substrate; and
 - a protective liner removably attached to at least one of the substrate and the sheet of tissue to contact and cover the sheet of tissue.
2. (Previously Presented) A tissue patch according to claim 1, wherein the sheet of tissue occupies an area of the first surface, the area being less than the surface area of the first surface.
- 3-5. (Canceled).
6. (Previously Presented) A tissue patch according to claim 1, wherein an adhesive material for attaching the protective liner occupies at least a portion of the first surface other than an area occupied by the tissue implant.

7. (Original) A tissue patch according to claim 1, further comprising an adhesive material to hold the patch proximate the lesion.
8. (Original) A tissue patch according to claim 7, wherein the adhesive material includes cyano-acrylate.
9. (Original) A tissue patch according to claim 7, wherein the protective liner is attached to the substrate via the adhesive material.
10. (Canceled).
11. (Previously Presented) A tissue patch according to claim 1, wherein the protective liner is configured to be peeled away from the at least one of the substrate and the tissue implant.
12. (Previously Presented) A tissue patch according to claim 1, wherein the protective liner is removably attached to the first surface of the substrate.
13. (Original) A tissue patch according to claim 1, wherein the substrate is a bio-absorbable gel.
14. (Previously Presented) A tissue patch according to claim 13, wherein the substrate includes a bio-absorbable material having a predetermined thickness

designed to last for a predetermined time period required for healing of the lesion so as to protect the sheet of tissue from conditions in the alimentary tract.

15. (Previously Presented) A tissue patch according to claim 1, wherein the substrate includes a therapeutic agent selected from a group consisting of human growth hormone, genetically engineered cells, antibiotics, analgesics, and pH sensitive or reactive chemicals.
16. (Original) A tissue patch according to claim 15, wherein the therapeutic agent is infused into the substrate.
17. (Original) A tissue patch according to claim 15, wherein the therapeutic agent is layered in a predetermined depth within the substrate so that the therapeutic agent activates at a predetermined time.
18. (Original) A tissue patch according to claim 1, wherein the patch is configured to be delivered endoluminally.
19. (Original) A tissue patch according to claim 18, wherein the patch is configured to be folded into a contracted state during delivery into the lesion.
20. (Original) A tissue patch according to claim 19, wherein the patch is capable of expanding upon deployment into the lesion.

21. (Original) A tissue patch according to claim 1, wherein the patch is configured to be rolled into a cylindrical shape.
22. (Original) A tissue patch according to claim 1, wherein the tissue implant is a genetically engineered tissue.
23. (Original) A tissue patch according to claim 1, further comprising a carrier attached to the substrate.
24. (Previously Presented) A tissue patch according to claim 23, wherein the carrier is configured to be peeled away from the substrate.
25. (Original) A method of treating a lesion in a lumen of patient's body, comprising:
 - providing a tissue patch having a tissue implant attached to a substrate
 - and a protective liner covering at least a portion of the tissue implant;
 - forming the tissue patch into a contracted state;
 - inserting the tissue patch in the contracted state into a lumen containing the lesion;
 - positioning the tissue patch in the vicinity of the lesion;
 - removing the protective liner to reveal the tissue implant; and
 - placing the tissue implant in the lesion.

26. (Original) A method according to claim 25, further comprising placing the tissue patch on a portion of a catheter for inserting the tissue patch in the contracted state.
27. (Original) A method according to claim 25, further comprising expanding the tissue patch from the contracted state before the step of removing the protective liner.
28. (Original) A method according to claim 25, wherein an adhesive material is provided on the substrate and the protective liner attaches to the adhesive material.
29. (Original) A method according to claim 25, wherein at least a portion of the substrate includes an adhesive material.
30. (Original) A method according to claim 25, wherein the tissue implant is placed on a surface of the substrate.
31. (Original) A method according to claim 25, wherein the tissue implant is embedded in the substrate in a form of a cellular suspension.
32. (Original) A method according to claim 25, wherein the substrate is a bio-absorbable gel.

33. (Original) A method according to claim 25, further comprising attaching a carrier to the substrate on a surface opposite to the surface facing the lesion and removing the carrier from the substrate after the tissue implant is placed in the lesion.
34. (Original) A method according to claim 25, wherein the tissue implant is an engineered tissue.
35. (Original) A method according to claim 25, wherein forming the tissue patch into a contracted state includes folding the tissue patch.
36. (Original) A method according to claim 25, wherein forming the tissue patch into a contracted state includes rolling the tissue patch into a cylindrical shape.
37. (Currently Amended) A tissue patch for treatment of a lesion in an alimentary tract of a patient, comprising:
- a substrate having a first surface and a second surface opposite the first surface;
 - an implant of tissue attached to the first surface of the substrate and occupying a first area of the first surface;
 - a protective liner removably attached to the first surface of the substrate so that the implant of tissue is placed between the substrate and the

protective liner and so that the protective liner is configured to contact
and cover the implant of tissue; and

an adhesive material for attaching the protective liner to the substrate,
wherein the adhesive material occupies a second area of the first surface
that is different from the first area.

- 38. (Previously Presented) A tissue patch according to claim 37, wherein the second area comprises an outer edge of the first surface.
- 39. (Canceled)
- 40. (Previously Presented) A tissue patch according to claim 37, wherein the adhesive material is configured to hold the patch proximate the lesion after the protective liner is removed.
- 41. (Previously Presented) A tissue patch according to claim 37, wherein the protective liner is configured to be peeled away from the substrate.
- 42. (Previously Presented) A tissue patch according to claim 37, wherein the substrate includes a therapeutic agent.
- 43. (Previously Presented) A tissue patch according to claim 37, wherein the patch is configured to be folded into a contracted state during delivery into the lesion.

44. (Previously Presented) A tissue patch according to claim 37, wherein the patch is capable of expanding upon deployment into the lesion.
45. (Previously Presented) A tissue patch according to claim 37, wherein the implant of tissue comprises a sheet of tissue.
46. (Previously Presented) A method according to claim 25, wherein the implant of tissue comprises a sheet of tissue.
47. (New) A tissue patch for treatment of a lesion in an alimentary tract of a patient, comprising:
- a substrate having a first surface and a second surface opposite to the first surface,
 - wherein the substrate is a bio-absorbable gel;
 - a sheet of tissue attached to the first surface of the substrate; and
 - a protective liner removably attached to at least one of the substrate and the sheet of tissue to cover the sheet of tissue.
48. (New) A tissue patch according to claim 47, wherein the sheet of tissue occupies an area of the first surface, the area being less than the surface area of the first surface.

49. (New) A tissue patch according to claim 47, further comprising an adhesive material to hold the patch proximate the lesion.
50. (New) A tissue patch according to claim 47, wherein the protective liner is configured to be peeled away from the at least one of the substrate and the tissue implant.
51. (New) A tissue patch according to claim 47, wherein the substrate includes a bio-absorbable material having a predetermined thickness designed to last for a predetermined time period required for healing of the lesion so as to protect the sheet of tissue from conditions in the alimentary tract.
52. (New) A tissue patch according to claim 47, wherein the substrate includes a therapeutic agent selected from a group consisting of human growth hormone, genetically engineered cells, antibiotics, analgesics, and pH sensitive or reactive chemicals.
53. (New) A tissue patch according to claim 47, further comprising a carrier attached to the substrate.
54. (New) A tissue patch for treatment of a lesion in an alimentary tract of a patient, comprising:

a substrate having a first surface and a second surface opposite the first surface,
wherein the substrate is a bio-absorbable gel;
an implant of tissue attached to the first surface of the substrate and occupying a first area of the first surface;
a protective liner attached to the first surface of the substrate so that the implant of tissue is placed between the substrate and the protective liner; and
an adhesive material for attaching the protective liner to the substrate, wherein the adhesive material occupies a second area of the first surface that is different from the first area.

55. (New) A tissue patch according to claim 54, wherein the second area comprises an outer edge of the first surface.
56. (New) A tissue patch according to claim 54, wherein the protective liner is removably attached to the substrate.
57. (New) A tissue patch according to claim 54, wherein the substrate includes a therapeutic agent.